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# A BIBLIOGRAPHY OF COOPERATIVE EXTENSION SERVICE LITERATURE ON WILDLIFE, FISH, AND FOREST RESOURCES

Compiled by Robert L. Ruff

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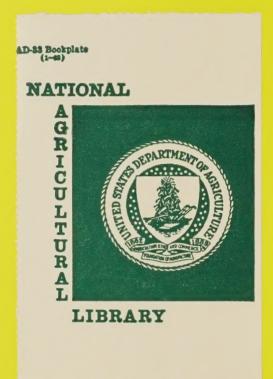
Department of Wildlife Ecology Cooperative Extension Programs University of Wisconsin Madison, Wisconsin 53706

### In Cooperation With:

Natural Resources Unit Extension Service U.S. Department of Agriculture Washington, D.C. 20250

Office of Extension Education Fish and Wildlife Service U.S. Department of Interior Washington, D.C. 20240





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#### PREFACE

The purpose of this bibliography of Cooperative Extension Service literature is to provide a ready reference source for those interested in the conservation and management of our wildlife, fish and forest resources. Intended users include Extension Specialists, educators, and natural resource managers and administrators at local, state and national levels. However, it is anticipated that the ultimate audiences will be private landowners in both urban and rural environments, target groups of adults (e.g. sportsmen clubs, environmental organizations) and youth (e.g. 4-H, elementary and

high school students), and the general public.

The need for this bibliography is rooted in the omnipresent problem of habitat losses in both urban and rural settings, and in opportunities to avoid or mitigate such losses. Wildlife, fish and forests are products of the land just as are cultivated crops and domesticated livestock. Species diversity and distribution make virtually every acre of land and water potential habitat. Although the perceived value of each species may vary with time and place, such values are nonetheless real and may be economic, esthetic, social, ecologic, or recreational in context and scope. To preserve these values requires education and understanding of their worth. This bibliography identifies literature

which may be used to achieve that goal.

The literature referenced in this bibliography consists exclusively of that generated by Extension Specialistis in each of the forementioned resource areas. These publications have been prepared in keeping with the expressed mission of the Extension Service—public education and assistance in problem solving and decision making. The resultant reference document should alert users as to the availability of existent literature, encourage its use directly, or suggest opportunities for its adaptation and use as conditions and locales change. This will promote more efficient use of published materials and minimize duplication of effort. At the same time, voids in publication needs should become more obvious and provide Specialists with incentives to fill such gaps as circumstances warrant.

A draft and much reduced version of this bibliography was compiled originally for potential users attending the Symposium of Wildlife Management on Private Lands held at Milwaukee, Wisconsin on 3-6 May 1981. A display of Extension literature was deemed appropriate to acquaint attendees with the depth and breadth of available information which could be of assistance to private landowners in the development of land management strategies. Accordingly, a bibliography was compiled to afford interested individuals an opportunity to scan the listings and order desired materials from the Co-

operative Extension Services in the respective states.

The initial list was by no means complete. Requests for relevant publications to be displayed at the Symposium were sent by James Miller (Program Leader, Fish and Wildlife, Extension Service, USDA) to fish, wildlife and forestry Extension Specialists in each state. Responses were forwarded directly to me, and with few exceptions (e.g. Sea Grant), all publications were included in the initial compilation. Following the Symposium, the draft bibliography was circulated among fish, wildlife and forestry Extension Specialists in each state for comments on format and to provide a final opportunity for

additions, corrections and deletions. A section dealing with 4-H and youth literature was

added and new publications incorporated to produce this final product.

I emphasize that no attempt was made to search out or include publications other than those provided by Extension Specialists. This was done to avoid inclusion of out-of-print, outdated, or otherwise unavailable materials. Furthermore, only literature published by Cooperative Extension, or authored by Extension Specialists but published by other sources, is included herein. Although Specialists may distribute other pertinent literature through their offices, such publications did not come under the purview of this bibliography.

In an attempt to increase the utility of this bibliography, each major subject category is begun on a new page wherever practical. Complete sections may therefore be reproduced for use by individuals or groups having specific interests. Such material may

be reprinted without permission but credit would be appreciated.

Support for this project was provided by Cooperative Extension Programs and the College of Agricultural and Life Sciences, University of Wisconsin-Madison; Natural Resources Unit, Extension Service, U.S. Department of Agriculture, Washington, D.C.; and the Office of Extension Education, Fish and Wildlife Service, U.S. Department of Interior, Washington, D.C. My gratitude is extended to Sue Dahmen for many retypes of the bibliography; to James Miller for his assistance in all phases of the project; and especially to all Extension Specialists whose outstanding cooperation in submitting materials made the bibliography possible.

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# CITATION FORMAT

Publications are listed only once according to the most appropriate subject matter, and then alphabetically by author. Exceptions are those sections on Animal Damage Control and 4-H and Youth Literature where references are listed by state, and then alphabetically by publication type (i.e., bulletin, circular, fact sheet, leaflet, etc.) and numerically within the latter. This was done to facilitate reader reviews of extensive series frequently produced by the different states. Otherwise the following apply:

Smith, J. D. 1981. WI

(author, date, state abbreviation; reprinted or revised publications are indicated following the date; publications designed specifically for NATIONAL or REGIONAL application are so designated in place of the state code)

Wildlife Resources (title of publication)

CES, University of Wisconsin, Madison (publisher and location; the CES acronym refers to Cooperative Extension Service and AES refers to Agricultural Extension Service)

12 pgs. C-3401. \$0.50.

(number of pages, publication identification code, cost of publication; the letters in the publication code generally refer to the following: C - Circular; FS - Fact Sheet; L - Leaflet; N - Note; S - Series);

\*Note: Some publications originally produced by Extension Specialists in one state have been adapted and distributed by Specialists in other states. In those instances where the original author is not identified, the adapted version is listed in this bibliography under the name of the individual distributing the material.

Unless indicated otherwise, single copies of publications are usually available to residents of the respective states free of charge and may be ordered directly from the Cooperative Extension Services as identified in the citation. Non-residents may ensure a reply of publication availability by enclosing a stamped, self-addressed envelope.

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# WILDLIFE CONSERVATION AND MANAGEMENT

Since the settlement era, intensive and conflicting human uses of land and water have severely altered or destroyed fish and wildlife habitats so that many animal populations have been reduced on local, regional and national levels. Foremost in this regard has been the conversion of native plant communities for agricultural and urban development. Prairies have been plowed, wetlands drained and forested lands often harvested with little regard to fish and wildlife needs. As a result, some species have been extirpated, others have attained endangered status, and some have reached pest proportions. If animal populations are to continue to thrive, immediate and innovative measures must be taken to ensure habitat protection, maintenance and enhancement. A wealth of Extension literature is available precisely for this purpose and is referenced here for use by private landowners and resource managers alike.

# **Animal Damage Control**

- <u>Alabama</u> (Cooperative Extension Service, Auburn University, Auburn)
- Circular ANR-15 (12 pgs.)—Beaver Control With the Conibear 330 Trap by E. P. Hill and D. T. Gardner. 1978.
- Arizona (Cooperative Extension Service, University of Arizona, Tucson).
- Leaflet Q403 (2 pgs.)—The Pocket Gopher in Arizona by J. Stair. 1980.
- Leaflet Q404 (2 pgs.)—A Practical Live Trap for English Sparrows by J. Stair. 1980.
- <u>Arkansas</u> (Cooperative Extension Service, University of Arkansas, Little Rock)
- Circular 539 (15 pgs.)—Beaver—Friend or Foe??? by J. E. Miller. 1973 (reprint).
- Leaflet 99 (8 pgs.)—Rats by L. Gray. 1973 (revised).
- Leaflet 436 (12 pgs.)—Muskrat Control by J. E. Miller. 1976.
- Leaflet 466 (8 pgs.) Armadillo Control by J. E. Miller. 1976.
- Leaflet 496 (11 pgs.)—Methods Useful in Reducing Blackbird Damage to Rice Fields by R. A. Pierce. 1972.
- Leaflet 504 (8 pgs.) Mole Control by J. E. Miller. 1972.
- Leaflet 522 (6 pgs.)—Controlling Small Fall and Winter Bird Roosts by R. A. Pierce. 1973.

- <u>California</u> (Cooperative Extension Service, Division of Agricultural Sciences, University of California, Davis)
- Bulletin 1872 (37 pgs.)—The Effects of Control on Coyote Populations by G. E. Connolly and W. M. Longhurst. 1975.
- Bulletin 1878 (63 pgs.)—Predation and the Sheep Industry in California by G. E. Nesse, W. M. Longhurst and W. E. Howard. 1976.
- Circular 514 (20 pgs.)—Fences for Controlling Deer Damage by W. M. Longhurst, M. B. Jones, R. P. Parks, L. W. Neubaur, and M. W. Cummings. 1962.
- Fact Sheet OSA #66 (2 pgs.)—Bat Control by M. W. Cummings. 1974 (rerun).
- Fact Sheet OSA #126 (2 pgs.)—Skunks and Their Control by M. W. Cummings. 1972 (revised).
- Leaflet 167 (8 pgs.)—Deer Resistant Plants for Ornamental Use by M. W. Cummings. 1962.
- Leaflet 1697 (3 pgs.)—Control of Meadow Mice by M. W. Cummings. 1976.
- Leaflet 2378 (8 pgs.)—Insect and Rodent Control in Stored Grain by W. R. Bowen, V. E. Burton, M. W. Cummings, C. S. Davis, A. S. Deal, D. L. Lindgren, R. G. Strong and J. E. Swift. 1977.
- Leaflet 2622 (2 pgs.)—Controlling Pocket Gophers and Moles by M. W. Cummings. 1980 (reprint).
- Leaflet 2699 (7 pgs.)—Pocket Gopher Control with Mechanical Bait Applicator by R. E. Marsh and M. W. Cummings. 1977.
- Leaflet 2896 (22 pgs.)—The Rat: Its Biology and Control by W. E. Howard and R. E. Marsh. 1976.
- Leaflet 2945 (28 pgs.)—The House Mouse: Its Biology and Control by R. E. Marsh and W. E. Howard. 1977.
- Leaflet 2967 (15 pgs.)—Vertebrate Pest Control by M. W. Stimmann and D. O. Clark. 1977.
- Leaflet 2996 (7 pgs.)—California Rattlesnakes by D. A. Wade and J. K. Hooper. 1977.
- Leaflet 21043 (8 pgs.)—Muskrats and Damage Control by D. E. Wade. 1978.
- Leaflet 21179 (11 pgs.)—Controlling Ground Squirrels
  Around Structures, Gardens and Small Farms by
  T. P. Salmon. 1981.
- Reprint from The Citrus Industry, Volume IV (37 pgs.)—Vertebrate Pests of Citrus by M. W. Cummings and R. E. Marsh. 1978.

<u>Colorado</u> (Cooperative Extension Service, Colorado State University, Fort Collins)

Fact Sheet No. 6.500 (2 pgs.)—Coping With Skunks by M. L. Boddicker, 1977.

Fact Sheet No. 6.506 (2 pgs.)—Managing Prairie Dog Populations by M. L. Boddicker. 1977.

Fact Sheet No. 6.509 (2 pgs.)—Controlling Porcupines by M. L. Boddicker. 1976.

Publication No. 11 (29 pgs.)—Control of Damage by Coyotes and Some Other Carnivores by D. A. Wade. 1974 (revised).

Florida (Cooperative Extension Service, University of Florida, Gainesville)

Fact Sheet FRC 17 (4 pgs.)—Alarmed about Armadillos? by W. R. Marion. 1980.

<u>Georgia</u> (Cooperative Extension Service, University of Georgia, Athens)

Bulletin 780 (4 pgs.)—Traps for Wildlife Damage Control by R. L. Carlton, 1977.

Circular 565 (4 pgs.) — Beaver Control by J. D. Almand. 1976.

Circular 697 (19 pgs.)—Control of Mammal Damage With Repellents by R. L. Carlton. 1977.

Leaflet 58 (2 pgs.) — Mole Control by R. L. Carlton. 1976.

Leaflet 212 (6 pgs.)—Wildlife Damage Control With Electric Fences by R. L. Carlton, 1977.

Leaflet 214 (7 pgs.) — Wildlife Damage Control by R. L. Carlton. 1975.

Leaflet 239 (6 pgs.) — Woodpeckers and Houses by R. L. Carlton. 1976.

Leaflet 245 (3 pgs.) — Controlling Bird Damage to Fruits and Vegetables by R. L. Carlton. 1976.

Leaflet 246 (3 pgs.)—Chipmunk Control by R. L. Carlton. 1976.

Leaflet 247 (4 pgs.) — Snakes and Their Control by R. L. Carlton. 1978.

Leaflet 248 (6 pgs.) — Tree Squirrel Damage Control by R. L. Carlton. 1976.

Leaflet 259 (8 pgs.)—Controlling Bird Damage With Repellents by R. L. Carlton. 1978.

Leaflet 260 (6 pgs.)—Repellents and Wildlife Damage Control by R. L. Carlton. 1978.

Leaflet 264 (5 pgs.) — Rats and Solid Waste Disposal by R. L. Carlton. 1976.

<u>Kansas</u> (Cooperative Extension Service, Kansas State University, Manhattan)

Handbook on Prevention and Control of Wildlife Damage by F. Robert Henderson and Edward K. Boggess. Cost \$15.00.

This handbook, compiled by F. R. Henderson and E. K. Boggess but with contributions from numerous authors, is the result of a cooperative effort of the Great Plains Agricultural Council and the Cooperative Extension Service at Kansas State University. In 1969, a two-volume wildlife damage control handbook was developed for county Extension workers in Kansas. This work served a useful purpose but needed to be revised. The Great Plains Agricultural Council, through the participants of the semi-annual meeting of Extension wildlife damage control specialists decided to adopt the handbook for the 10 Great Plains states. These states are: North Dakota: South Dakota: Montana: Wyoming; Colorado; New Mexico; Texas; Oklahoma; Kansas; and Nebraska. Wildlife specialists, especially from Cooperative Extension agencies, but including other agency personnel, worked for over one year to review and update this handbook.

The emphasis of this handbook is on prevention of damage rather than killing of wildlife species. The handbook spells out laws of the state and federal government and details of methods of prevention, management, control and limitations of control of problems caused by individuals of most all the wild, native and non-native vertebrate animals in the Great Plains. The Table of Contents is provided here to provide the reader with pertinent details.

# HANDBOOK ON PREVENTION AND CONTROL OF WILDLIFE DAMAGE

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Salamanders

Crawfish

TOXICANTS AND FUMIGANTS

Toxicants and Fumigants

MISCELLANEOUS

Wildlife Damage Control Supplies

Wildlife Diseases and Man

- Ag Facts AF-12 (4 pgs.)—Black-Tailed Prairie Dogs by E. K. Boggess. 1978.
- Ag Facts AF-29 (4 pgs.) —2% Zinc Phosphide for Prairie Dog Control by F. R. Henderson and E. K. Boggess. 1979.

- Ag Facts AF-30 (2 pgs.) Kangaroo Rats by E. K. Bøggess. 1979.
- Ag Facts AF-31 (4 pgs.)—Strychnine for Prairie Dog Control by F. R. Henderson and E. K. Boggess. 1979.
- Ag Facts AF-32 (4 pgs.)—Use of Gas Cartridges for Control of Prairie Dogs by F. R. Henderson and E. K. Boggess. 1979
- Ag Facts AF-42 (4 pgs.) Controlling House Mice by R. M. Timm and F. R. Henderson. 1979.
- Ag Facts AF-43 (4 pgs.)—Controlling Rats by R. M. Timm and F. R. Henderson. 1979.
- Ag Facts AF-48 (2 pgs.)—Bats and Bat Management by E. K. Boggess. 1980.
- Ag Facts AF-68 (2 pgs.)—Controlling Starling Damage Around Feedlots by F. R. Henderson. 1980.
- Booklet (unnumbered; 10 pgs.)—1981-82 Program Suggestions in Wildlife Damage Control by E. K. Boggess and F. R. Henderson. 1981.
- Circular C-585 (24 pgs.) Pest Bird Management by F. R. Henderson, E. K. Boggess and S. D. Fretwell. 1978.
- Circular C-620 (20 pgs.)—Managing Predator Problems: Practices and Procedures for Preventing and Reducing Livestock Losses by E. K. Boggess, F. R. Henderson and C. W. Spaeth. 1980.
- Leaflet L-342 (10 pgs.) Controlling Rats by F. R. Henderson and J. R. Robinson. 1976.
- Leaflet L-346 (8 pgs.)—Controlling Problem Pocket Gophers by F. R. Henderson. 1976.
- Leaflet L-354 (8 pgs.)—Controlling Skunks by F. R. Henderson and J. R. Robinson. 1973.
- Leaflet L-362 (8 pgs.)—Controlling Problem Bobcats by F. R. Henderson. 1973.
- Leaflet L-363 (8 pgs.)—Controlling Problem Red Fox by F. R. Henderson, 1973.
- Leaflet L-458 (4 pgs.)—Protecting Young Trees from Rabbits by F. R. Henderson. 1975.
- <u>Massachusetts</u> (Cooperative Extension Service, University of Massachusetts, Amherst)
- SP-113 (118 pgs.)—An Animal Damage Identification Guide for Massachusetts by J. Harding. 1979. \$2.00
- <u>Nebraska</u> (Cooperative Extension Service, University of Nebraska, Lincoln)
- NebGuide G73-13 (1 pg.)—Snake Control by R. E. Roselle. 1978 (revised).

- NebGuide G76-319 (4 pgs.)—Plains Pocket Gophers and Their Control by R. M. Case, J. L. Stubbendieck and P. S. Gipson. 1976.
- NebGuide G79-461 (4 pgs.)—Controlling Rats by R. M. Timm. 1979.
- NebGuide G79-470 (4 pgs.)—Controlling House Mice by R. M. Timm. 1979.
- NebGuide G80-516 (2 pgs.)—Burrowing Rodent Control With Gas Cartridges by R. M. Timm. 1980.
- NebGuide G80-519 (4 pgs.)—Prairie Dogs and Their Control by R. M. Timm and R. J. Johnson. 1980.
- <u>New Hampshire</u> (Cooperative Extension Service, University of New Hampshire, Durham)
- Wildlife Fact Sheet 1 (3 pgs.)—Bats by H. S. Logsdon and C. R. Fox. 1980.
- Wildlife Information Series 2 (3 pgs.)—Woodchucks by H. S. Logsdon and C. R. Fox. Undated.
- Wildlife Information Series 3 (2 pgs.) *Moles* by H. S. Logsdon and C. R. Fox. Undated.
- Wildlife Information Series 4 (3 pgs.)—*Raccoons* by H. S. Logsdon. Undated.
- Wildlife Information Series 5 (3 pgs.) Skunks by H. S. Logsdon. Undated.
- Wildlife Information Series 6 (3 pgs.) Snakes by H. S. Logsdon. Undated.
- Wildlife Fact Sheet 7 (4 pgs.)—Tree Squirrels by L. Alexander. 1980.
- Wildlife Fact Sheet 8 (2 pgs.)—Snowshoe Hare by L. Alexander. 1980.
- Wildlife Fact Sheet 9 (3 pgs.)—White-Tailed Deer by L. Alexander. 1980.
- <u>New Mexico</u> (Cooperative Extension Service, New Mexico State University, Las Cruces)
- Guide L-201 (4 pgs.) Control of Prairie Dogs in New Mexico by P. J. Zwank. 1980.
- <u>New York</u> (Cooperative Extension Service, Cornell University, Ithaca)
- Conservation Circular, Wildlife Control Vol. 18, No. 11 (4 pgs.)—Deer, Rabbit and Mouse Repellents by J. W. Caslick and D. J. Decker. 1980.
- Conservation Circular, Wildlife Control Vol. 19, No. 1 (2 pgs.) —Bird Damage Control Guide for Homeowners by J. W. Caslick and D. J. Decker. 1981.
- Information Bulletin 146 (18 pgs.) Control of Wildlife Damage in Orchards and Vineyards by J. W. Caslick and D. J. Decker. 1978.

- Information Bulletin 163 (22 pgs.)—Rat and Mouse Control by J. W. Caslick and D. J. Decker. 1980. \$1.50.
- Miscellaneous Bulletin 109 (16 pgs.)—Effects of Insecticides on Birds and Mammals by J. W. Caslick. 1980. \$0.50.
- North Carolina (Agricultural Extension Service, North Carolina State University, Raleigh)
- Zoology Notes 2 (4 pgs.) —Bats in North Carolina by J. B. Mathies. 1980.
- Zoology Notes 3 (4 pgs.)—Muskrat Control in North Carolina by J. B. Mathies. 1974.
- Zoology Notes 4 (2 pgs.)—Control of Crayfish by J. B. Mathies. 1980.
- Zoology Notes 5 (4 pgs.)—Blackbird Control in North Carolina by D. S. de Calesta. 1975.
- Zoology Notes 6 (4 pgs.) Control of English Sparrows by J. B. Mathies.
- Zoology Notes 7 (4 pgs.) Pigeon Control by J. B. Mathies, 1980.
- Zoology Notes 8 (4 pgs.) Mole Control by D. S. de Calesta and revised by G. J. San Julian and S. D. Miller. 1980.
- Zoology Notes 9 (2 pgs.)—Management of Pine Voles by D. E. Davis. 1976.
- North Dakota (Cooperative Extension Service, North Dakota State University, Fargo)
- Circular A-228 (2 pgs.)—Snake Control by W. J. Colberg and R. V. Hanson. 1966.
- Circular E-31 (2 pgs.)—Controlling Rats and Mice by D. D. Kopp and D. K. McBride. 1978.
- Circular E-692 (5 pgs.)—Blackbird Damage Control by D. D. Kopp, R. B. Carlson and J. F. Cassel. 1980.
- Oklahoma (Cooperative Extension Service, Oklahoma State University, Stillwater)
- OSU Extension Facts No. 9001 (4 pgs.)—Controlling Pocket Gophers by R. W. Altman, 1974.
- Unnumbered Leaflet (6 pgs.)—Moles by R. W. Altman. Undated.
- <u>Oregon</u> (Extension Service, Oregon State University, Corvallis)
- Extension Circular 909 (4 pgs.)—Predation by Coyotes and Other Animals by D. S. de Calesta. 1980 (reprinted).
- Extension Circular 910 (2 pgs.)—Predator Control: History and Policies by D. S. de Calesta. 1976.
- Extension Circular 913 (2 pgs.)—Deterrents to Predators of Livestock by D. G. DeLorenzo. 1977.

- Extension Circular 914 (2 pgs.)—The Impact of Coyotes on Wildlife by L. W. Kuhn. 1977.
- Extension Circular 916 (3 pgs.)—Fencing Against Coyotes by D. G. DeLorenzo. 1977.
- Extension Circular 987 (4 pgs.) Mole Control by L. W. Kuhn. 1979.
- Extension Circular 1030 (3 pgs.)—Leghold Traps and Snares: A Discussion of the Proposed Ban by D. S. de Calesta. 1980.
- Extension Circular 1078 (4 pgs.)—Controlling Ground Squirrel Damage to Field Crops, Ditches, and Dams by D. S. de Calesta. 1981.
- Special Report 501 (20 pgs.)—Documentation of Livestock Losses to Predators in Oregon by D. S. de Calesta. 1979 (reprinted).
- WRAES 93 (4 pgs.) Coyote Control Electric Fence by N. Gates. Undated.
- **South Dakota** (Cooperative Extension Service, South Dakota State University, Brookings)
- EMC 707 (4 pgs.)—Protecting Trees from Animal and Bird Damage by L. Helwig. 1976.
- EMC 809 (3 pgs.)—Controlling Problem Moles. Based on Publication L-343 by F. R. Henderson, Kansas Cooperative Extension Service. 1979.
- FS640 (2 pgs.)—S.D. Extension Trapper Program by W. A. Wentz. 1976.
- FS659 (2 pgs.)—Live Trap for Nuisance Animal Control by G. Marrone and W. A. Wentz. 1977.
- FS725 (4 pgs.) Pocket Gophers by W. A. Wentz. 1979.
- <u>Tennessee</u> (Agricultural Extension Service, University of Tennessee, Knoxville)
- Publication 687 (15 pgs.)—Beavers in Tennessee: Control, Utilization, and Management by J. L. Byford. 1976 (reprint).
- Publication 723 (10 pgs.)—A Look At: Bird Problems and Their Control by J. L. Byford. 1976.
- <u>Texas</u> (Agricultural Extension Service, Texas A&M University, College Station)
- Fact Sheet L-996 (2 pgs.) -- Trapping Moles in Texas by V. V. Parsons. 1973 (reprint).
- Fact Sheet L-1440 (4 pgs.)—Turtle Control in Farm Ponds by J. T. Davis. 1979 (reprint).
- Reprint from Texas Agricultural Progress, Vol. 26, No. 1 (pgs. 12-16)—Coyote Predation on a Texas Goat Ranch by D. A. Wade and G. E. Connolly. 1980.

- <u>Vermont</u> (Cooperative Extension Service, University of Vermont, Burlington)
- Entomology Leaflet #3 (1 pg.)—Control of Moles in Lawns and Turf by G. B. MacCollom. 1980 (revised).
- Entomology Leaflet #46 (2 pgs.)—Bat Control by G. B. MacCollom. 1971.
- Entomology Leaflet #52 (2 pgs.)—Skunks by G. B. MacCollom. 1973.
- <u>Washington</u> (Cooperative Extension Service, Washington State University, Pullman)
- Extension Bulletin 643 (8 pgs.)—Yellowjackets and Paper Wasps by R. D. Akre and A. L. Antonelli. 1980 (revised).
- <u>Wisconsin</u> (Cooperative Extension Service, University of Wisconsin, Madison)
- A2148 (2 pgs.) Meadow Mouse Control by S. R. Craven and E. L. Stang. 1981. \$0.10.
- G3083 (8 pgs.)—Controlling Deer Damage in Wisconsin by S. Craven. 1980. \$0.15.
- G3096 (4 pgs.)—Bats: Information for Wisconsin Homeowners by S. Craven and F. Iwen. 1980. \$0.25.
- G3117 (2 pgs.)—Controlling Woodpecker Damage by S. Craven. 1981. \$0.15.

# **Endangered Species**

- Hendry, L. C., T. G. Goodwin and R. F. Labisky. FL 1980.
- Florida's Vanishing Wildlife
- CES, University of Florida, Gainesville.
- 69 pgs. Circular 485. (Cooperative publication of the Florida Cooperative Extension Service and the U. S. Fish and Wildlife Service).
- Parker, W. and L. Dixon. 1980. REGIONAL and NC
- Endangered and Threatened Wildlife of Kentucky, North Carolina, South Carolina, and Tennessee
- AES, North Carolina State University, Raleigh.
- 116 pgs. AG-185. (Cooperative publication of the U.S. Fish and Wildlife Service and the respective state Agricultural Extension Services).

Wentz, W. A., et al. 1979.  Endangered Species Packet CES, South Dakota State University, Brookings (Cooperative publication of South Dakota Cooperative Extension Service; U. S. Fish and Wildlife Service; South Dakota Department of Game, Fish and Parks; and Department of Wildlife and	SD	Carlton, R. L. 1974.  Protection and Wildlife Enhancement Practices for the Landowner  CES, University of Georgia, Athens.  4 pgs. Leaflet 152.	GA
Fisheries Science, South Dakota State University, Brookings.) This packet includes bulletins and fact sheets as indicated below.		Carlton, R. L. 1975.  Wildlife Management CES, University of Georgia, Athens. 6 pgs. Leaflet 235.	GA
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UNIT II. Learning and Teaching

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10 Hunting Courtesies that Win Friends and Influence People		Shick, C. 1967. National Resources and People	MI
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1 pg. Form 577.		Zwank, P. J. 1980. (reprint).  How to Prepare Pelts	NM
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3 pgs. Mimeo.			

# FISH CONSERVATION AND MANAGEMENT

Literally thousands of fish ponds are constructed on private lands in the United States each year. Because of spiralling energy costs and more intensive competition for existing fishing opportunities on public lands, this trend is likely to continue and even accelerate in coming years. Some ponds are excavated while others impound water from surface runoff or existing watercourses. Most are designed specifically for the production of fish or bait, but some are planned to provide wildlife benefits as well. Many ponds never reach their full production potential and are abandoned by disgruntled landowners. Bait producers and other aquaculture enterprises have also suffered setbacks when biologic and economic factors impact upon their operations. In the course of constructing and managing ponds and streams for fish and aquatic life, a variety of problems may be avoided with appropriate use of existing information. The following publications are intended for this purpose.

# Aquatic Plants - Identification and Control

Helfrich, L. A. and D. L. Weigmann. 1979 VA (reprint).

Controlling Aquatic Weeds and Improving Water Quality in Ponds and Lakes

CES, Virginia Polytechnic Institute and State University, Blacksburg.

16 pgs. Publication 809.

Helfrich, L. A., G. B. Purdue and D. L. Weigmann. VA 1980.

Common Water Plants of Virginia

CES, Virginia Polytechnic Institute and State University, Blacksburg.

29 pgs. Publication 844.

Klussman, W. G., F. G. Lowman and J. T. Davis. TX 1980 (revised).

Common Aquatic Plants of Texas: Identification and Control

AES, Texas A&M University, College Station. 16 pgs. B-1018.

Lewis, G. W. and J. F. Miller. 1980. GA

Identification and Control of Weeds in Southern

Ponds

CES, University of Georgia, Athens. 27 pgs. B-839.

Morse, J. W. and T. R. Flanagan. 1968. VT

Algae and Weeds in Farm Ponds

CES, University of Vermont, Burlington.

12 pgs. Circular 136.

Peverly, J. H. 1976. NY

Aquatic Plant Management and Control

CES, Cornell University, Ithaca.

24 pgs. Information Bulletin 107. \$0.60.

Rawson, M. V., Jr. 1974. GA

Fertilization for Aquatic Weed Control in Ponds

CES, University of Georgia, Athens.
6 pgs. Leaflet 197.

Robinette, D. L. Undated. SC

Aquatic Pest Control Training Manual
CES, Clemson University, Clemson.
106 pgs. Pesticide Training Series 5.

Wellborn, T. L., Jr. 1978. MS

Calculation of Treatment Levels for Control of
Fish Diseases and Aquatic Weeds

CES, Mississippi State University, Mississippi
State.

2 pgs. Information Sheet 673.

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Wellborn, T. L., Jr. 1980. MS

Bushy Pondweed-Coontail

CES, Mississippi State University, Mississippi State.

Wellborn, T. L., Jr. 1980. MS

Arrowheads-Willows
CES, Mississippi State University, Mississippi State.

2 pgs. Information Sheet 1026.

Wellborn, T. L., Jr. 1980. MS

Cattail-Spikerush

CES, Mississippi State University, Mississippi State.

2 pgs. Information Sheet 1027.

Wellborn, T. L., Jr. 1980. MS

Pondweed-Bladderwort

CES, Mississippi State University, Mississippi State.

2 pgs. Information Sheet 1028.

Wellborn, T. L., Jr. 1980. MS

Fanwort-Parrot Feather

CES, Mississippi State University, Mississippi State.

2 pgs. Information Sheet 1029.

Wellborn, T. L., Jr. 1980.  Frogbit-Watershield  CES, Mississippi State University, Mississippi State.  2 pgs. Information Sheet 1030.	MS	Wingard, R. G., T. D. Rader, W. K. Hock and R. B. Hesser. 1977.  Aquatic Plants: Management and Control CES, Pennsylvania State University, University Park. 20 pgs. Special Circular 222.	PA
Wellborn, T. L., Jr. 1980.  Burreed-Bulrush CES, Mississippi State University, Mississippi State.  2 pgs. Information Sheet 1031.	MS	Wingard, R. G. and T. D. Rader. 1980 (revised).  Aquatic Plant Herbicides CES, Pennsylvania State University, University Park. 2 pgs.	PA
Wellborn, T. L., Jr. 1980. White Waterlily-American Lotus	MS		
CES, Mississippi State University, Mississippi		Bait Production	
State.  2 pgs. Information Sheet 1032.		Altman, R. W. and W. H. Irwin. Undated Minnow Farming in the Southwest Oklahoma Department of Conservation, Oklahoma	OK
Wellborn, T. L., Jr. 1980. Water Hyacinth-Duckweed	MS	City.	
CES, Mississippi State University, Mississippi		35 pgs.	
State.  2 pgs. Information Sheet 1033.		de Calesta, D. S. 1977.  Growing Earthworms	OR
Wellborn, T. L., Jr. 1980. Hydrilla Verticellata-Alligator Weed	MS	CES, Oregon State University, Corvallis. 10 pgs. Extension Circular 912.	
CES, Mississippi State University, Mississippi State.  2 pgs. Information Sheet 1034.		Forney, J. L. 1975.  Raising Baitfish and Crayfish in New York Ponds CES, Cornell University, Ithaca.	NY
Wellborn, T. L., Jr. 1980.	MS	31 pgs. Extension Bulletin 986. \$0.50.	
Algae-Nitella and Muskgrass CES, Mississippi State University, Mississippi State. 2 pgs. Information Sheet 1035.		Gardner, D. T. 1977.  Fish Bait Production CES, Auburn University, Auburn.  8 pgs. Circular E-33.	AL
Wellborn, T. L., Jr. 1980.  Methods of Aquatic Weed Control  CES, Mississippi State University, Mississippi State.  2 pgs. Information Sheet 1036.	MS	Giudice, J. J., D. L. Gray and J. M. Martin. 1981.  Manual for Bait Fish Culture in the South CES, University of Arkansas, Little Rock. 50 pgs. EC-550.	AR
Wellborn, T. L., Jr. 1980.  Smartweed-Water Primrose CES, Mississippi State University, Mississippi State.	MS	Johnson, S. K. 1978.  Maintaining Minnows - A Guide for Retailers AES, Texas A&M University, College Station. 20 pgs. MP-1320.	TX
2 pgs. Information Sheet 1037.		Johnson, S. K. and J. T. Davis. 1978 (reprint).	TX
White, R. J. Undated.  Aquatic Pest Control  CES, Michigan State University, East Lansing.	MI	Raising Minnows AES, Texas A&M University, College Station. 16 pgs. MP-783.	
1 pg. Mimeo.		Martin, J. P., J. H. Black and R. M. Hawthorn.	CA
Whitwell, T. and D. R. Bayne. 1980.  Weed Control in Lakes and Farm Ponds CES, Auburn University, Auburn, Alabama. 6 pgs. Circular ANR-48.	AL	1977.  Earthworm Biology and Production CES, University of California, Berkeley. 10 pgs. Leaflet 2828.	

Mathies, J. B. 1974.  Growing Earthworms for Fun and Profit AES, North Carolina State University, Raleigh. 4 pgs. Zoology Notes, Series 1.	NC	<ul> <li>Wellborn, T. L., Jr. and W. A. Rogers. 1974 (reprint).</li> <li>A Key to the Common Parasite Protozoans of North American Fishes</li> <li>CES, Mississippi State University, Mississippi</li> </ul>	MS
Ramsey, C. W. and J. T. Davis. 1976 (reprint).  Raising Fishworms for Bait	TX	State. 12 pgs. Publication 853.	
AES, Texas A&M University, College Station. 4 pgs. L-1310.		White, R. J. 1980.  Control of Leeches (Bloodsuckers) in Ponds and Lakes	MI
Shelton, L. R. 1979.  Raising Red Worms in a Tub  CES, Mississippi State University, Mississippi State.	MS	CES, Michigan State University, East Lansing.  1 pg. Mimeo.	
2 pgs. Information Sheet 622.		<b>Endangered Species</b>	
Sparks, L. M. Undated.  Raising Crickets for Bait CES, Clemson University, Clemson.  9 pgs. Unnumbered.	SC	Behnke, R. J. and D. E. Benson, 1980.  Endangered and Threatened Fishes of the Upper Colorado River Basin CES, Colorado State University, Fort Collins. 34 pgs. Bulletin 503A.	СО
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Krauch, H. C. 1978.  Fish Kills in Indiana - Their Causes and Prevention CES, Purdue University, West Lafayette. 2 pgs. FNR-69.	IN	de Calesta, D. S. 1978.  Catching Crayfish for Fun and Profit CES, Oregon State University, Corvallis.  4 pgs. Extension Circular 939.	OR
Minchew, D. 1973.  Symptoms of Diseased Channel Catfish CES, Mississippi State University, Mississippi State.  2 pgs. Information Sheet 623.	MS	Groppe, C. C. and R. Crawford (Revised by G. K. York). 1977 (reprint).  Canning and Freezing Fish at Home CES, University of California, Berkeley.  4 pgs. Leaflet 2425.	CA
Minchew, D. 1974.  Selecting and Shipping Samples to Use in Determining Cause of Fish Kills  CES, Mississippi State University, Mississippi State.	MS	Kennamer, E. F. (orig.) and D. L. Gray (adapt.). 1970.  Fly Casting CES, University of Arkansas, Little Rock 8 pgs. Leaflet 396.	AR
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Vibriosis: A Common Disease of Pacific Salmon Cultured in Marine Waters of Washington CES, Washington State University, Pullman.		6 pgs. Leaflet 397.	ΛD
8 pgs. Extension Bulletin 663.		Kennamer, E. F. (orig.) and D. L. Gray (adapt.) 1976.	AII
Wellborn, T. L., Jr. 1971.  Diseases of Fish: Recognition and Treatment Reprint from Producting and Marketing Catfish in	MS	Spin Fishing CES, University of Arkansas, Little Rock. 6 pgs. Leaflet 398.	
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Price, R. J. and G. K. York. 1980.  Smoking Fish at Home  CES, University of California, Berkeley 4 pgs. Leaflet 2669.	CA	Gipson, P. S., D. E. Feit and J. W. Morris. 1975.  Ponds for Nebraskans CES, University of Nebraska, Lincoln. 16 pgs. EC75-1427.	NE
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Ponds—Construction and Management; Aquaculture; Water Management		Harbell, S. C. and R. Carkner. 1981.  Trout Farming in Washington CES, Washington State University, Pullman. 19 pgs. EB-756.	WA
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	Jarvis, G. J. 1967.  Building a Pond CES, New Mexico State University, Las Cruces. 4 pgs. 400 B-108.	NM	Marek, L. G. and G. W. LaBar. 1980.  Fish Farming in Vermont  CES, University of Vermont, Burlington.	VT
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	Jensen, J. 1981. Fertilizing Fish Ponds CES, Auburn University, Auburn. 4 pgs. ANR-249.	AL	CES, Virginia Polytechnic Institute and State University, Blacksburg. 7 pgs. Extension Publication MT 11 H.	
	Jenson, J. 1981.  Corral Seine for Trapping Catfish CES, Auburn University, Auburn. 4 pgs. ANR-257.	AL	<ul> <li>Rader, T. D., R. G. Wingard, C. L. Heiney and N. H. Wooding. 1980.</li> <li>Fish Ponds: Construction and Management in Pennsylvania</li> <li>CES, Pennsylvania State University, University</li> </ul>	PA
	Johnson, S. K. 1980.  Pond Management: Oxygen in Fish Culture Ponds AES, Texas & M University, College Station.	TX	Park 22 pgs. Special Circular 263, National Resources Series.	
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,	Lewis, G. W. 1980 (revised).  Management of Georgia Sportfishing Ponds CES, University of Georgia, Athens. 24 pgs. Bulletin 732.	GA	AES, Texas A&M University, College Station. 16 pg. B-1024.	
	Lock, J. T. and D. Steinbach. 1978 (reprint).  Catfish in Farm Ponds for Food and Recreation  AES, Texas A&M University, College Station.  10 pgs. MP-1142.	TX	Tiemeier, O. W. and C. W. Deyoe. 1980.  Channel Catfish Produced in Kansas Ponds for Profit and Pleasure  AES, Kansas State University, Manhattan. 36 pgs. Bulletin 635.	KS

U. S. Fish and Wildlife Service, U. S. Forest Service, U. S. Bureau of Land Management, Society for Range Management, U.S.D.A. Cooperative Extension Service, Colorado State University. 1980.  Streamside Areas Management Dividends	NAL	White, R. J. Undated.  Mechanical Harvest to Control Lake Weeds  Michigan State University, Department of Fisheries and Wildlife, East Lansing.  2 pgs. Mimeo.	M
U.S.D.I. Biological Services Program, U.S. Government Printing Office, Washington, D. C. 8 pgs. FWS/OBS-80155.		White, R. J. Undated.  Lake Vegetation Control: An Overview of Methods  Michigan State University, Department of Fisheries and Wildlife, East Lansing.	M
Wellborn, T. L. 1974 (revised).  Production of Channel Catfish	MS	1 pg. Mimeo.	
CES, Mississippi State University, Mississippi State. 16 pgs. Publication 622.		White, R. J. Undated.  References on Lakes and Eutrophication  Michigan State University, Department of Fisheries and Wildlife, East Lansing.	M
Wellborn, T. L. 1975 (revised).  Fertilizing Farm Ponds	MS	2 pgs. Mimeo.	
CES, Mississippi State University, Mississippi State. 2 pgs. Information Sheet 229.		White, R. J. Undated.  Lake Eutrophication: A Man-Made Problem  Michigan State University, Department of Fisheries and Wildlife, East Lansing.	M
Wentz, W. A. 1979. What Fish Do I Stock?	SD	2 pgs. Mimeo.	
CES, South Dakota State University, Brookings. 6 pgs. EMC-800.		White, R. J. 1979.  Managing Coldwater Ponds for Fishing Michigan State University, East Lansing.	M
Wentz, W. A. 1979 Where Do I Get Fish to Stock?	SD	7 pgs. Mimeo.	
CES, South Dakota State University, Brookings. 6 pgs. EMC-801.		White, R. J. 1979.  Managing Warmwater Ponds for Fishing Michigan State University, East Lansing.	M
White, R. J. Undated. Building a Clean Beach	MI	12 pgs. Mimeo.	
Michigan State University, Department of Fisheries and Wildlife, East Lansing.  1 pg. Mimeo.		White, R. J. and S. Tainter. 1975.  Our Waters, Our Wastes  Michigan State University, East Lansing.	M
White, R. J. Undated.	MI	24 pgs. Extension Bulletin E-891. \$0.50.	
<ul><li>Artificial Aeration of Lakes and Ponds</li><li>Michigan State University, Department of Fisheries and Wildlife, East Lansing.</li><li>2 pgs. Mimeo.</li></ul>			

## FOREST CONSERVATION AND MANAGEMENT

MI

Forest ecosystems provide important habitat for a wide variety of wildlife species. Through proper harvest and management strategies, the value of forests to wildlife can be enhanced with little or no economic loss to the landowner. Tree plantings and landscaping in both the rural and urban environments can likewise increase the quantity and quality of habitat available to wildlife. Accordingly, the following publications may provide useful information to private landowners who wish to consider the development, retention, and enhancement of wildlife habitat as legitimate forest management goals.

#### Forests—General

Benson, E. H. 1971. NE

Tree Identification Manual
CES, University of Nebraska, Lincoln.
20 pgs. Extension Circular 71-1703.

Fix, W. L. 1980 (revised). IN

The Forests of Indiana

CES, Purdue University, West Lafayette.
4 pgs. FNR-34.

Indiana Tree Farm Committee. Undated. IN
Forests and Our Environment
CES, Purdue University, West Lafayette.
16 pgs. F-63.

Koelling, M. R. and R. B. Heiligmann. 1978. MI

Forestry Terms for the Landowner

CES, Michigan State University, East Lansing.

Monaghan, T. A. 1979. MS

Know Your Trees

CES, Mississippi State University, Mississippi State.

Neal, J. 1979.

Familiar Trees of Michigan

CES, Michigan State University, East Lansing.

22 pgs. E-616. \$0.40.

8 pgs. E-1238. \$0.20.

46 pgs. Publication 146.

Parker, R. C. 1978.

Why Leaves Change Color
CES, Mississippi State University, Mississippi State.

2 pgs. Information Sheet 818.

Rader, T. D. 1973-80 (Continuing Series)
(See titles below)
CES, Pennsylvania State University, University
Park

PA

2 pgs. each.

No. 1 - Knowing the Forest - 1973 No. 2 - What is a Forest - 1973 No. 3 - Tree Classification - 1973 No. 4 - The White Pine - 1974 No. 7 - Forest Classification - 1974 No. 8 - Succession - 1974

No. 8 - Succession - 197 No. 9 - Water - 1974

No. 11 - Tree Identification - 1974 No. 12 - Summer Tree Key - 1975 No. 22 - American Beech - 1975 No. 23 - Forest Soils - 1975

No. 25 - Forest Recreation - 1975 No. 26 - Fish and Forests - 1975 No. 27 - Forestry Careers - 1976

No. 27 - Forestry Careers - 1976 No. 32 - Climate - 1976 No. 34 - Living Filter - 1976

No. 35 - Shrubs and Vines I - 1976 No. 36 - Shrubs and Vines II - 1976 No. 37 - Woodland Salamanders - 1976 No. 46 - Shrubs and Vines III - 1977

No. 51 - Intangibles - 1978 No. 56 - Allegheny Hardwoods - 1978 No. 62 - Soil Surveys - 1979

No. 65 - Observing Shrub and Tree Flowers - 1979 No. 66 - Woodland Wildflowers - 1979

No. 76 - Woodiana Wilajiowe No. 76 - Ferns I - 1980 No. 77 - Ferns II - 1980 No. 78 - Photoperiod - 1980

Robson, T. R. and G. R. Cunningham. 1979. WI Your Wisconsin Woodland: Forestry Terms CES, University of Wisconsin, Madison. 10 pgs. G3018. \$0.20

Shelton, L. R. 1974. MS

Identifying Poison Ivy
CES, Mississippi State University, Mississippi State.

2 pgs. Information Sheet 042.

#### **Forest Esthetics**

Noyes, J. H. 1969. MA

Woodlands, Highways and People
CES, University of Massachusetts, Amherst.
21 pgs. Publication No. 33, Planning and Resource
Development Series No. 9.

Noyes, J. H. 1972.  Timber Harvesting and Forest Aesthetics CES, University of Massachusetts, Amherst. 20 pgs. Publication No. 440.	MA	Ledbetter, R. J. and L. Wade. 1974.  Know Your Pine Bark Beetles CES, Auburn University, Auburn, Alabama.  8 pgs. Circular E-25.	AL
Rader, T. D. 1978  Forest Esthetics CES, Pennsylvania State University, University Park. 2 pgs. No. 60.	PA	McDaniel, M. C., B. F. Jones and F. H. Tainter. 1978.  The Dutch Elm Disease CES, University of Arkansas, Little Rock. 8 pgs. Leaflet 467.	AR
Forest Insects, Disease, Damage, Weeds Barnes, G., B. F. Jones, M. C. McDaniel and C. L. Mason. 1978	AR	New England Weed Control Specialist. 1980.  1980 New England Guide to Chemical Weed and Brush Control in Christmas Trees CES, University of Vermont, Amherst.  8 pgs.	NAL
Pest Control for Trees and Shrubs CES, University of Arkansas, Little Rock. 53 pgs. EC-526.		Ostrofsky, W. D. and A. R. Martin. 1978 (revised).  Chemical Weed Control in Trees CES, University of Nebraska, Lincoln.	NE
Blasingame, D. J. 1980.  Disease Control in Christmas Trees  CES, Mississippi State University, Mississippi State.  2 pgs. M-401 (mimeo).	MS	4 pgs. NebGuide G73-33.  Ostrofsky, W. D. and N. E. Jennings. 1978.  Tree Injuries-Prevention and Care CES, University of Nebraska, Lincoln. 4 pgs. Neb Guide G78-408.	NE
Brook, T. S. 1977.  Insect Control in Christmas Trees CES, Mississippi State University, Mississippi State.  2 pgs. Bug News (mimeo).	MS	Parker, R. C. 1978.  Treatment of Fusiform Galls CES, Mississippi State University, Mississippi State. 2 pgs. MTN-2G.	MS
Foulds, R. T. 1977.  Protecting Trees from Damage During Construction CES, University of Vermont, Burlington. 4 pgs. Brieflet 1254.	VT	Parker, R. C. 1980.  Herbicides for Hardwood Control with Hypo-Hatchet  CES, Mississippi State University, Mississippi State.  2 pgs. MTN-6F.	MS
Houston, D. W. 1978.  Chemical Weed Control in Christmas Trees and Other Woody Plants  CES, Mississippi State University, Mississippi State.  4 pgs. Mimeo.	MS	Rader, T. D. 1974-1977. (See titles below) CES, Pennsylvania State University, University Park. 2 pgs. each.	PA
Janne, E. E. 1974.  Protecting Existing Landscape Trees from Construction Damage Due to Grade Changes  AES, Texas A&M University, College Station.	TX	No. 14 - Pesticides - 1974 No. 18 - Gypsy Moth - 1975 No. 24 - Herbicides - 1975 No. 48 - Forest Fire Protection - 1977 No. 49 - Grazing - 1977	
4 pgs. L-1309.  Jones, B. F. and G. Barnes. Undated  Protect Ornamental Pine Plantings from Insects  CES, University of Arkansas, Little Rock	AR	Riffle, J. W., D. S. Wysong and M. G. Boosalis. 1977. White Mottled Heart Rot of Green Ash CES, University of Nebraska, Lincoln. 4 pgs. NebGuide G77-345.	NE

6 pgs. Leaflet 322.

Forest Management and Silviculture		Koelling, M. R. 1978  Tree Planting in Michigan CES, Michigan State University, East Lansing.	MI
Anonymous. 1979 (reprint).  Care of Wild Apple Trees CES, University of Vermont, Burlington. 2 pgs. Reprint from CES Folder 70.	VT	16 pgs. E-771. \$0.20.  Leighton, R. S., R. W. Breck, J. A. Conde, R. P. Sloan, A. G. Dodge, Jr. and L. B. Sargent, Jr. 1980.	NH
Blumenstock, B. and T. G. Okeefe. 1980 (revised). Taking Care of Your Forest in Maine CES, University of Maine, Orono. 81 pgs. Bulletin 626.	ME	Introduction to Forest Management in New Hampshire CES, University of New Hampshire, Durham. 25 pgs. Extension Publication No. 31.	
Chandler, B. R. 1981.  Windbreak Management CES, University of Nebraska, Lincoln. 4 pgs. NebGuide G81-549.	NE	Meier, R. J. 1979 (revised).  Thinning Forest Stands CES, University of Massachusetts, Amherst. 2 pgs. Unnumbered.	MA
Extension Forestry Department. Undated. Recommended Cultural Practices for Christmas Trees CES, Mississippi State University, Mississippi State.	MS	Mitich, L. W. 1973.  Collecting, Pressing, Mounting and Storing Plants  CES, North Dakota State University, Fargo.  4 pgs. Circular A-583.	ND
16 pgs. Mimeo.  Fix, W. L. 1978.  Planting Forest Trees and Shrubs in Indiana CES, Purdue University, West Lafayette 8 pgs. FNR-36.	IN	Monaghan, T. A. 1977.  Managing Natural Hardwood Stands CES, Mississippi State University, Mississippi State.  8 pgs. MTN-2F.	MS
Foulds, R. T., Jr. 1972.  How to Shear Spruce and Fir Christmas Trees CES, University of Vermont, Burlington. 4 pgs. Brieflet 1156.	VT	Monaghan, T. A. 1978.  Natural Regeneration: An Alternative for Mississippi Timber Owners  CES, Mississippi State University, Mississippi	MS
Foulds, R. T., Jr. 1976.  The Whys and Hows of Forestry CES, University of Vermont, Burlington.	VT	State. 4 pgs. MTN-5F.	
13 pgs. Brieflet 1058. \$0.75.  Foulds, R. T., Jr. 1978.  Farm My Woodlot  CES, University of Vermont, Burlington.	VT	Monaghan, T. A. and R. C. Parker. 1980.  Tree Planting is Easy CES, Mississippi State University, Mississippi State.  2 pgs. Publication 160.	MS
2 pgs.  Hamilton, R. and N. E. Jennings. 1976.  Establishing Black Walnut  CES, University of Nebraska, Lincoln.  4 pgs. NebGuide G76-315.	NE	Morrow, R. R. 1976.  Sugar Bush Management CES, Cornell University, Ithaca. 19 pgs. Information Bulletin 110. \$0.60.	NY
Hanington, C. A. 1977.  Growing Conifers From Seed CES, University of Nebraska, Lincoln. 4 pgs. NebGuide G77-380.	NE	Noyes, J. H. 1980 (revised).  Forest Tree Pruning Guide CES, University of Massachusetts, Amherst. 2 pgs. L-200.	MA
Jennings, N. E. and F. A. Hershey. 1979 (revised).  Managing Black Walnut Plantations for Timber CES, University of Nebraska, Lincoln.  4 pgs. NebGuide G73-45.	NE	Noyes, J. H. 1980 (revised).  Forest Tree Planting Guide CES, University of Massachusetts. Amherst. 2 pgs. L-201.	MA

Noyes, J. H. and A. D. Rhodes. 1980 (revised).  Weeding Forest Stands  CES University of Massachusetts. Archaest	MA	No. 75 - Regenerating Allegheny Hardwoods - 1980	
CES, University of Massachusetts. Amherst. 2 pgs. L-202.	D. C. A	Robertson, R. R. 1964.  Quality Timber A Product of Management  CRS. Mississippi State University Mississippi	MS
Noyes, J. H. and A. D. Rhodes. 1980.  Forest Improvement Cuttings CES, University of Massachusetts. Amherst.	MA	CES, Mississippi State University, Mississippi State. 6 pgs. Publication 511.	
2 pgs. L-204.  Olson, D. and C. Langer. Undated.	NH	Slusher, J. P. and W. G. Yoder. 1980 (revised).  Before You Order Tree Seedlings	MO
Care of Wild Apple Trees CES, University of New Hampshire, Durham. 7 pgs. Extension Folder 70.	1111	CES, University of Missouri, Columbia. 4 pgs. Science and Technology Guide 5006.	
Parker, R. C. 1975.	MS	Trimmer, W. L. and B. R. Chandler. 1980.  Drip Irrigation for Windbreaks	NE
Thinning Pine Stands by the Leave Tree Method CES, Mississippi State University. Mississippi		CES, University of Nebraska, Lincoln. 4 pgs. NebGuide G80-525.	
State. 4 pgs. MTN-1F.		Wallace, D. R. 1977. Timber Stand Improvement	AR
Parker, R. C. 1978. Field Guide for Stand Basal Area, Average Diame-	MS	CES, University of Arkansas, Little Rock. 12 pgs. Leaflet 283.	
ter, and Tree Spacing Relationships CES, Mississippi State University, Mississippi State.		Forest Dlanning and Sanviage	
6 pgs. MTN-3F.		Forest Planning and Services  Anonymous 1979 (revised)	MA
Parker, R. C. 1978.  Understanding Forest Management Alternatives CES, Mississippi State University, Mississippi	MS	Anonymous. 1979 (revised).  Forestry Services in Massachusetts CES, University of Massachusetts, Amherst. 16 pgs. C-104R.	WIA
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## 4-H AND YOUTH LITERATURE

Fish, wildlife and forestry Extension Specialists have major programming responsibilities with 4-H and youth groups in virtually every state. Leader's and member's guides on various aspects of resource conservation and management have been developed to meet the needs of this clientele, but such literature has application to other interest groups as well. Similarly, publications produced in one state may have widespread use in others with little or no modification. Indeed, publications prepared by the Southern Regional 4-H Wildlife Literature Committee are currently being used in precisely this manner.

<u>Alabama</u> (Cooperative Extension Service, Auburn University, Auburn)

Member's Guide/Manual

Leaflet YE-8 (4 pgs.)—Quail Management by D. T. Gardner. 1977.

Leaflet YE-9 (2 pgs.)—Wildlife Den Trees by D. T. Gardner, 1978.

Leaflet YE-10 (2 pgs.) —Fly Casting for 4-H'ers by D. T. Gardner. 1978.

<u>Arkansas</u> (Cooperative Extension Service, University of Arkansas, Little Rock)

Leader's Guide/Manual

G-209 (9 pgs.)—Forestry Exhibit Ideas for 4-H Clubs by D. R. Wallace. 1978.

G-402 (11 pgs.)—Leaders Guide in Forestry by W. L. Smiley, 1970.

S-405 (6 pgs.)—4-H Fish and Fishing by Anonymous. 1978.

Member's Guide/Manual

A-204 (2 pgs.)—How to Use Your Scale Stick by D. R. Wallace and J. E. Miller. 1976.

G-102 (23 pgs.)—Project Book No. 1, Forestry by J. E. Miller. 1977.

G-208 (23 pgs.)—Project Book No. 2, Forestry by W. L. Smiley. 1970.

G-301 (19 pgs.)—Project Book, Forestry Seniors by W. L. Smiley. 1970.

R-301 (11 pgs.)—Angling for a Project? by D. L. Gray. 1978.

S-105 (13 pgs.)—4-H Fish and Fishing: Project 1 by D. L. Gray. 1978.

S-205 (23 pgs.)—4-H Fish and Fishing: Project 2 by D. L. Gray. 1977.

S-305 (14 pgs.)—4-H Fish and Fishing: Project 3 by D. L. Grav. 1977.

S-303 (8 pgs.) —4-H Bait Casting Contest by D. L. Gray. 1978.

S-304 (15 pgs.)—A 4-H Action Program: Arkansas Acres for Wildlife by R. A. Pierce. 1977.

California (Cooperative Extension Service, University of California, Davis)

Leader's Guide/Manual

4-H-7007 (23 pgs.) —4-H Wildlife Project by L. Nelson, Jr., J. K. Hooper and R. E. Savage. 1978.

Member's Guide/Manual

Leaflet 2940 (38 pgs.) — Wildlife Project Idea Book by L. Nelson, Jr., W. G. Schneeflock and R. D. Teague. 1976. (revised).

<u>Colorado</u> (Cooperative Extension Service, Colorado State University, Fort Collins)

Member's Guide/Manual

R52500B (4 pgs.)—Fish and Wildlife Record Book. 1977.

M52501B; Unit 1 (29 pgs.)—Exploring Wildlife by J. K. Hooper and D. R. Smith. 1975.

M52502B, Units 2 and 3 (51 pgs.)—Small Game and Waterfowl, Units 2 and 3 by J. K. Hooper and D. R. Smith. 1978.

M52504B, Units 4 and 5 (35 pgs.)—Big Game and Furbearers by J. K. Hooper and D. R. Smith. 1978.

M52506B, Unit 6 (35 pgs.)—Songbirds and Birds of Prey by J. K. Hooper and D. R. Smith. 1974.

M52601; Unit 1 (27 pgs.)—*Fishing* by G. K. Hetzel and D. R. Smith. 1973.

M52602; Unit 1 (27 pgs.)—Fish Environment by G. K. Hetzel and D. R. Smith. 1973.

<u>Idaho</u> (Cooperative Extension Service, University of Idaho, Moscow).

Leader's Guide/Manual

WL5 (32 pgs.)—4-H Wildlife Project by C. M. Thomas. 1980.

Member's Guide/Manual

WL-2; Unit 1 (6 pgs.)—4-H Wildlife Project by C. M. Thomas. 1980.

WL-4; Unit 2 (6 pgs.)—4-H Wildlife Project by C. M. Thomas. 1980.

- WL-7; Unit 3 (7 pgs.)—4-H Wildlife Project by C. M. Thomas. 1980.
- WL-8; Unit 4 (3 pgs.)—4-H Wildlife Project by C. M. Thomas. 1980.

<u>Indiana</u> (Cooperative Extension Service, Purdue University, West Lafayette)

Member's Guide/Manual

- 4H-154 (29 pgs.)—4-H Advanced Wildlife by H. C. Krauch, Jr. 1970.
- 4H-235 (12 pgs.)—4-H Wildlife Division I by H. C. Krauch, Jr. 1980.
- 4H-434 (11 pgs.)—Learning about Tree Seeds by E. J. Lott, W. L. Fix and A. N. Liming. 1970.

<u>Kansas</u> (Cooperative Extension Service, Kansas State University, Manhattan)

Leader's Guide/Manual

- 4-H 361 (4 pgs.)—Acres for Wildlife by F. R. Henderson and M. L. Boddicker. 1974.
- 4-H 363 (8 pgs.)—The Birds Around You by J. L. Zimmerman, 1974.
- 4-H 367 (16 pgs.)—Kansas Fur Harvest by F. R. Henderson. 1975.
- 4-H 369 (4 pgs.) Study Guide to Kansas Mammals by R. E. Ashton, Jr., F. R. Henderson and C. T. Bates. 1975.
- 4-H 371 (20 pgs.)—Reptiles and Amphibians by R. E. Ashton, Jr., J. T. Collins and G. W. Ferguson. 1975.

Leader's and Member's Guide/Manual

- 4-H 427 (33 pgs.) —Let's Go Fishing: A Fish and Fishing Project by F. R. Henderson. 1980.
- 4-H 335 (34 pgs.)—4-H Ecology Projects; Environmental Education Unit 1 by F. R. Henderson and C. Bates. 1975.

Member's Guide/Manual

- 4-H 357 (11 pgs.) The Birds Around You by J. L. Zimmerman. 1974.
- 4-H 360 (16 pgs.)—Acres for Wildlife by F. R. Henderson and M. J. Boddicker. 1974.
- 4-H 368 (28 pgs.)—Kansas Fur Harvest by F. R. Henderson, 1974
- 4-H 370 (20 pgs.) A Study Guide to Kansas Mammals by R. E. Ashton, Jr., F. R. Henderson and C. T. Bates. 1975.
- 4-H 372 (12 pgs.)—Reptiles and Amphibians by R. E. Ashton, Jr., J. T. Collins and G. W. Ferguson. 1974.
- 4-H 423 (12 pgs.)—Black-Footed Ferret: Endangered Species Project by F. R. Henderson. 1979.

<u>Massachusetts</u> (Cooperative Extension Service, University of Massachusetts, Amherst)

Member's Guide/Manual

4-H 27 (74 pgs.)—National 4-H Forestry Invitational by the National 4-H Forestry Invitational Committee. 1980 (revised).

<u>Michigan</u> (Cooperative Extension Service, Michigan State University, East Lansing)

Member's Guide Manual

- 4-H Bulletin 132 (24 pgs).—"Basic" Environmental Conservation and Forests by R. W. George. 1973.
- 4-H Bulletin 134 (15 pgs.)—"Basic" Environmental Conservation and Wildlife by R. W. George. 1973.
- 4-H Bulletin 1038 (16 pgs.) Wetlands by R. W. George (editor) . 1979. \$0.70.
- 4-H Bulletin 1040 (18 pgs.)—An Introduction to Our Living Environment by R. W. George. 1980. \$0.60.
- 4-H Bulletin 1050 (22 pgs.)—Animals: Basic Environmental Series by R. W. George. 1980. \$0.60.

<u>Mississippi</u> (Cooperative Extension Service, Mississippi State University, Mississippi State)

Leader's Guide/Manual

Publication 655 (4 pgs.)—How Trees Benefit You (distributed) by R. Robertson. 1975.

Member's Guide/Manual

- Publication 636 (20 pgs.)—Forestry by R. Robertson. 1976.
- Publication 697 (12 pgs.)—Wildlife and You: 4-H Unit 1 by W. W. Montfort, Jr. 1980.
- Publication 1203 (4 pgs.) Tree Planting: 4-H Forestry Project No. 1 by T. A. Monaghan. 1981.
- Publication 1205 (4 pgs.)—Welcome to 4-H Forestry by T. A. Monaghan. 1979.
- Publication 1228 (4 pgs.)—Big Tree Contest: 4-H Forestry Project No. 2 by T. A. Monaghan. 1980.
- Publication 1242 (4 pgs.) Know Your Trees: 4-H Forestry Project No. 3 by T. A. Monaghan. 1980.
- Publication 1305 (4 pgs.)—Developing Your Own Forestry Library by T. A. Monaghan. 1981.

<u>Missouri</u> (Cooperative Extension Service, University of Missouri, Columbia)

Leader's Guide/Manual

LG266 (8 pgs.)—Forestry for Youth by A. A. Ausherman and J. Slusher. 1977.

Member's Guide/Manual

Y266 (34 pgs.)—Forestry for Youth. by J. P. Slusher. 1973.

<u>Nebraska</u> (Cooperative Extension Service, University of Nebraska, Lincoln)

Leader's Guide/Manual

EC 5-91-79 (16 pgs.)—Adventures in Conservation of Natural Resources by J. D. Orr. 1979.

Member's Guide/Manual

- EC 5-11-75 (22 pgs. + 16 pgs. attachment)—Beginning Wildlife Conservation by reprint from original circular produced by the Nebraska Game Commission. 1975.
- EC 5-13-75 (10 pgs. + 4 pgs. attachment)—Homes for Wildlife by reprint from original circular produced by the Nebraska Game Commission. 1975.
- EC 5-15-75 (17 pgs. + 8 pgs. attachment)—Fishing by reprint from original circular produced by the Nebraska Game Commission. 1975.
- EC 5-73-75 (7 pgs.)—Gun Safety and Marksmanship by A. Boettcher, L. Lange and L. E. Rudman. 1975.
- EC 5-31-78 (27 pgs.)—Soil and Water Conservation by H. H. Gilman and R. E. Weiss. 1978.
- EC 5-90-78 (26 pgs.)—Adventures in Conservation of Natural Resources by J. D. Orr. 1978.
- EC 9-11-90 (20 pgs.) —Outdoor Cooking by E. Diedrichsen. 1980.
- EC 17-11-80 (11 pgs.)—*Plant a Tree* by J. Range and J. D. Orr. 1980.

<u>New Mexico</u> (Cooperative Extension Service, New Mexico State University, Las Cruces)

Member's Guide/Manual

- 100J-17d (16 pgs.)—Southwestern White-Tailed Deer by P. Zwank. 1980. (Adapted from Publication SW415 by the Southern Regional 4-H Wildlife Literature Committee).
- 100J-17e (12 pgs.)—Wildlife Damage Control by P. Zwank. 1980. (Adapted from Publication SW449 by the Southern Regional 4-H Wildlife Literature Committee).
- 100J-18d (12 pgs.)—Furbearers and Trapping by P. Zwank. 1980. (Adapted from Publication SW435 by the Southern Regional 4-H Wildlife Literature Committee).

<u>New York</u> (Cooperative Extension Service, Cornell University, Ithaca)

Leader's Guide/Manual

- L-5-4 (24 pgs.) Nature Trails: Guides to Environmental Understanding by J. R. Fazio. 1973. \$0.35.
- L-5-5 (20 pgs.)—Basic Fly Tying by R. A. Howard, Jr. 1974, \$0.70
- L-5-6 (34 pgs.)—Let's Go Fishing: A Fish and Fishing Project by D. J. Decker, R. A. Howard, Jr., and J. W. Kellev. 1978. \$1.00.
- L-5-8 (20 pgs.)—Bird Study: An Introduction to Ornithology for Youth by R. A. Howard, Jr., J. W. Kelley, and J. Tate, Jr. 1974. \$0.40.
- L-5-9 (28 pgs.)—Understanding Birds of Prey by R. A. Howard, Jr., R. E. Bonney, Jr. and D. J. Decker. 1981. \$3.00.
- L-5-12 (38 pgs.)—Firewood: From Woodlot to Woodpile by W. Richberger and R. A. Howard, Jr. 1980. \$2.00.
- L-5-13 (42 pgs.)—Understanding Forest Ecosystems by W. E. Richberger and R. A. Howard, Jr. 1980. \$2.00.
- L-5-14 (20 pgs.)—A Guide to Resource Materials in Forestry by W. E. Richberger and R. A. Howard, Jr. 1980. \$2.00.

Member's Guide/Manual

- M-5-2 (5 pgs.)—*Pheasant Management* by J. I. Green. 1968. \$0.10.
- M-5-8a (4 pgs.)—An Introduction to Bird Study by R. A. Howard, Jr., J. W. Kelley and J. Tate, Jr. 1976 (reprinted). \$0.20.
- M-5-8b (6 pgs.)—Red-Winged Blackbird Territoriality by R. A. Howard, Jr., J. W. Kelley, and J. Tate, Jr. 1974. \$0.25.
- M-5-8c (4 pgs.)—Mobbing Behavior in Barn Swallows by R. A. Howard, Jr., J. W. Kelley, and J. Tate, Jr. 1974. \$0.20.
- M-5-8d (4 pgs.)—Nest Building and Incubation by R. A. Howard, Jr., J. W. Kelley and J. Tate, Jr. 1974. \$0.20.
- M-5-8e (4 pgs.)—From Hatching to Fledgling by R. A. Howard, Jr., J. W. Kelley and J. Tate, Jr. 1974. \$0.20.
- M-5-11 (52 pgs.)—Trapping Furbearers: Managing and Using a Renewable Natural Resource by R. A. Howard, Jr. and J. W. Kelley. 1977. \$1.50.
- 4-H Bulletin 85 (72 pgs.)—*Know Your Trees* by J. A. Cope and F. E. Winch. 1978. \$1.00.

North Dakota (Cooperative Extension Service, North Dakota State University, Fargo)

Member's Guide/Manual

Unnumbered (42 pgs.)—Wildlife Management, Units 6, 7, 8 by K. Harmon. Undated.

- Unnumbered (15 pgs.)—Raising Pheasants by I. J. Mork and C. R. Grondahl, Undated.
- 800-405 (2 pgs.)—Keeping a Field Notebook by D. J. Miller and I. J. Mork. Undated.
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4-H Leaders' Guide L-5-10 (72 pgs.)—Environmental Awareness by J. W. Kelley (editor). 1975. \$1.00. (Copies may be ordered from any of the participating states' CES).

<u>Southern States</u> (Cooperative Extension Services of Alabama, Arkansas, Kentucky, Mississippi, North Carolina and Tennessee)

The following materials were prepared by the Southern Regional 4-H Wildlife Literature Committee through a grant from Atlantic Richfield Foundation. Copies are available by individual unit or in total from OKT/Colson, 4-H Service Department, 901 North Main Street, Paris, Illinois 61944. Prices do not include shipping charges, and additional costs may be anticipated on orders of \$20.00 or less. Some units are in the process of being developed and hence, costs are currently unavailable.

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NCR Educational Materials Project 111-N Curtiss Hall Iowa State University Ames, Iowa 50011

#### **Northeast Region**

The Northeast Region (NER) has a structure and publication base similar to the forementioned NCR project. For more information, contact:

N. E. Extension Publications Coordinator Dudley Road, Cook College P. O. Box 231 New Brunswick, New Jersey 08903

#### Southern Region

Source: Neal, J. E. (compiler). 1980.

Southern Region's Extension Publications in Forestry, Forest Products and Utilization, Wildlife, Fisheries Recreation

CES, University of Georgia, Athens.

30 pgs. Mimeo.

This publication is a current listing of all the natural resource oriented publications now available from the Extension Services of thirteen southern states. The states consist of Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas and Virginia. The bibliography lists several hundred publications in the subject areas designated in the title. Inquiries regarding availability of the bibliography may be made to:

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